

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 09/982,548		ATTY. DOCKET NO.: M0656.70070US00	
				FILING DATE: October 18, 2001		CONFIRMATION NO.: 7782	
				APPLICANT: Liu et al.			
				GROUP ART UNIT: 1623		EXAMINER: Traviss C. McIntosh III	
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### U.S. PATENT DOCUMENTS

Examiner's Initials <sup>#</sup>	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		6,869,789		Liu et al.	03-22-2005
		6,962,699		Pojasek et al.	11-08-2005
		7,056,504	B1	Sasisekharan et al.	06-06-2006
		7,083,937	B2	Sasisekharan et al.	08-01-2006
		7,105,334	B2	Pojasek et al.	09-12-2006
		7,110,889	B2	Venkataraman et al.	09-19-2006
		7,117,100	B2	Venkataraman et al.	10-03-2006
		7,129,335	B2	Pojasek et al.	10-31-2006
		7,139,666	B2	Venkataraman	11-21-2006
		7, 247,445	A1	Sasisekharan et al.	07-24-2007
		7,270,815	A1	Sasisekharan et al.	09-18-2007
		7,390,633	B2	Liu et al.	06-24-2008
		7,396,824	B2	Sasisekharan et al.	07-08-2008
		7,399,604	B2	Sasisekharan et al.	07-15-2008
		7,412,332	B1	Venkataraman et al.	08-12-2008
		7,429,474	B2	Sasisekharan et al.	09-30-2008
		7,455,986	B2	Liu et al.	11-25-2008
		7,504,247	B2	Sasisekharan et al.	03-17-2009
		7,507,570	B2	Prabhakar et al.	03-24-2009
		7,508,206	B2	Sasisekharan et al.	03-24-2009
		7,553,950	B2	Prabhakar et al.	06-30-2009
		7,560,106	B2	Sasisekharan et al.	07-14-2009
		7,585,642	B2	Sasisekharan et al.	09-08-2009
		2002-0122793	A1	Liu et al.	09-05-2002
		2002-0128225	A1	Liu et al.	09-12-2002
		2002-0169143	A1	Sasisekharan et al.	11-14-2002
		2003-0008820	A1	Kwan et al.	01-09-2003
		2003-0099628	A1	Liu et al.	05-29-2003
		2003-0191587	A1	Venkataraman et al.	10-09-2003
		2004-0091471	A1	Myette et al.	05-13-2004
		2004-0091472	A1	Pojasek et al.	05-13-2004
		2004-0092037	A1	Sasisekharan et al.	05-13-2004
		2004-0197933	A1	Venkataraman et al.	10-07-2004

EXAMINER:	DATE CONSIDERED:
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		2004-0204869	A1	Venkataraman et al.	10-14-2004
		2005-0037376	A1	Sasisekharan et al.	02-17-2005
		2005-0214276	A9	Myette et al.	09-29-2005
		2005-0227320	A1	Pojasek et al.	10-13-2005
		2005-0233402	A1	Liu et al.	10-20-2005
		2005-0233419	A1	Pojasek et al.	10-20-2005
		2006-0024664	A1	Sasisekharan et al.	02-02-2006
		2006-0057638	A1	Bosques et al.	03-16-2006
		2006-0067927	A1	Chandrasekaran et al.	03-30-2006
		2006-0067928	A1	Liu et al.	03-30-2006
		2006-0078959	A1	Prabhakar et al.	04-13-2006
		2006-0083711	A1	Berry et al.	04-20-2006
		2006-0105430	A1	Sasisekharan et al.	05-18-2006
		2006-0127950	A1	Bosques et al.	06-15-2006
		2006-0154894	A1	Berry et al.	07-13-2006
		2006-0177885	A1	Myette et al.	08-10-2006
		2006-0177910	A1	Myette et al.	08-10-2006
		2006-0177911	A1	Myette et al.	08-10-2006
		2006-0182734	A1	Liu et al.	08-17-2006
		2006-0183713	A1	Liu et al.	08-17-2006
		2006-0183891	A1	Myette et al.	08-17-2006
		2006-0292130	A1	Sasisekharan et al.	12-28-2006
		2006-0292655	A1	Sasisekharan et al.	12-28-2006
		2006-0292673	A1	Sasisekharan et al.	12-28-2006
		2007-0004012	A1	Sasisekharan et al.	01-04-2007
		2007-0020243	A1	Sengupta et al.	01-25-2007
		2007-0065424	A1	Pojasek et al.	03-22-2007
		2007-0065921	A1	Sasisekharan et al.	03-22-2007
		2007-0066769	A1	Venkataraman et al.	03-22-2007
		2007-0148157	A1	Prabhakar et al.	06-28-2007
		2007-0148158	A1	Sasisekharan et al.	06-28-2007
		2007-0148740	A1	Prabhakar et al.	06-28-2007
		2007-0161073	A1	Sasisekharan et al.	07-12-2007
		2007-0202563	A1	Prabhakar et al.	08-30-2007
		2007-0224670	A1	Prabhakar et al.	09-27-2007
		2008-0071148	A1	Bosques et al.	03-20-2008

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				APPLICANT: Liu et al.			
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Sheet	3	of	4				

		2008-0278164	A1	Sasisekharan et al.	11-13-2008
		2008-0301178	A1	Venkataraman et al.	12-04-2008
		2009-0045811	A1	Sasisekharan et al.	02-19-2009
		2009-0081635	A1	Liu et al.	03-26-2009
		2009-0105463	A1	Berry et al.	04-23-2009
		2009-0119027	A1	Venkataraman et al.	05-07-2009
		2009-0156477	A1	Berry et al.	06-18-2009

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		EP	0208623	A2	Sanofi SA	01-14-1987	N
		JP	62-018401	A	Sanofi SA	01-27-1987	N
		JP	08-511764	A2	Thomas Kennedy	02-03-1994	N
		JP	2000-511189	A1	Massachusetts Institute of Technology	11-27-1997	N
		JP	2001-526634			12-18-2001	N
		WO	95/21198	A2	Thomas Kennedy et al.	08-10-1995	
		WO	01/66772	A2	Massachusetts Institute of Technology	09-13-2001	
		WO	02/23190	A2	Massachusetts Institute of Technology	03-21-2002	
		WO	02/32406	A2	Massachusetts Institute of Technology	04-25-2002	
		WO	02/077199	A2	Massachusetts Institute of Technology	10-03-2002	
		WO	2003/102160	A3	Massachusetts Institute of Technology	12-11-2003	
		WO	2004/055491	A2	Massachusetts Institute of Technology	07-01-2004	
		WO	2004/062592	A2	Massachusetts Institute of Technology	07-29-2004	
		WO	2004/069152	A2	Massachusetts Institute of Technology	08-19-2004	
		WO	2005/087920	A2	Massachusetts Institute of Technology	09-22-2005	
		WO	2005/110438	A2	Massachusetts Institute of Technology	11-24-2005	
		WO	2005/111627	A2	Massachusetts Institute of Technology	11-24-2005	
		WO	2006/076627	A2	Massachusetts Institute of Technology	07-20-2006	
		WO	2006/083328	A2	Massachusetts Institute of Technology	08-10-2006	
		WO	2006/088491	A2	Massachusetts Institute of Technology	08-24-2006	
		WO	2006/105313	A2	Massachusetts Institute of Technology	10-05-2006	
		WO	2006/105315	A2	Massachusetts Institute of Technology	10-05-2006	
		WO	2007/044471	A2	Massachusetts Institute of Technology	04-19-2007	
		WO	2007/120478	A2	Massachusetts Institute of Technology	10-25-2007	

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**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		BASTEN et al., In vitro evaluation of synthetic heparin-like conjugates comprising different thrombin binding domains. Bioorg Med Chem Lett. 1998 May 19;8(10):1201-6. Abstract Only.	
		BAUER et al., Pharmazeutische Technologie, 3 <sup>rd</sup> Ed. 1991:251-2. German language reference.	N
		BEALES et al., The effect of a heparin analogue, ITF-5005, on diabetes incidence and insulinitis in the non-obese diabetic mouse. Diabetes Res Clin Pract. 1993 Jul;21(1):5-9. Abstract Only.	
		BELFORD et al., Ability of different chemically modified heparins to potentiate the biological activity of heparin-binding growth factor 1: lack of correlation with growth factor binding. Biochemistry. 1992 Jul 21;31(28):6498-503.	
		BEN-JEBRIA et al., Large porous particles for sustained protection from carbachol-induced bronchoconstriction in guinea pigs. Pharm Res. 1999 Apr;16(4):555-61.	
		CASU et al., Heparin-like compounds prepared by chemical modification of capsular polysaccharide from E. coli K5. Carbohydr Res. 1994 Oct 17;263(2):271-84. Abstract Only.	
		DESAI et al., Structure elucidation of a novel acidic tetrasaccharide and hexasaccharide derived from a chemically modified heparin. Carbohydr Res. 1993 Mar 17;241:249-59.	
		GONZALEZ, Low-molecular-weight heparins for acute coronary syndromes: an emergency medicine perspective. Pharmacotherapy. 1999 Sep;19(9 Pt 2):155S-160S. Abstract Only.	
		HUNNIUS, Pharmazeutisches Wörterbuch, de Gruyter Verlag, 7 <sup>th</sup> Ed., 1994:26-7. German language reference.	N
		KIBBE et al., Handbook of Pharmaceutical Excipients. American Pharmaceutical Association. Washington, D.C. 2000:102-9, 522-7.	
		PETITOU et al., New synthetic heparin mimetics able to inhibit thrombin and factor Xa. Bioorg Med Chem Lett. 1999 Apr 19;9(8):1155-60. Abstract Only.	
		RUIZ-CALERO et al., Use of reversed polarity and a pressure gradient in the analysis of disaccharide composition of heparin by capillary electrophoresis. J Chromatogr A. 1998 Dec 18;828(1-2):497-508. Abstract only.	
		TORNGREN et al., Conventional heparin and semisynthetic heparin analogue (SSHA) alteration of blood coagulation after embolic occlusion of human renal circulation. Thromb Res. 1990 Jul 15;59(2):237-46. Abstract Only.	
		WANG et al., Inhalation of estradiol for sustained systemic delivery. J Aerosol Med. 1999 Spring;12(1):27-36.	

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